

# SEQUENCE LISTING

<110> Benson, Timothy E

<120> CRYSTALLIZATION AND STRUCTURE DETERMINATION OF  
GLYCOSYLATED HUMAN BETA SECRETASE, AN ENZYME IMPLICATED  
IN ALZHEIMER'S DISEASE

<130> 00481.CP

<140> Unassigned

<141> 2001-03-14

<150> 09/747,420

<151> 2000-12-23

<160> 1

<170> PatentIn Ver. 2.1

<210> 1

<211> 385

<212> PRT

<213> Homo sapiens

<400> 1

Glu	Met	Val	Asp	Asn	Leu	Arg	Gly	Lys	Ser	Gly	Gln	Gly	Tyr	Tyr	Val
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Glu	Met	Thr	Val	Gly	Ser	Pro	Pro	Gln	Thr	Leu	Asn	Ile	Leu	Val	Asp
			20					25					30		

Thr	Gly	Ser	Ser	Asn	Phe	Ala	Val	Gly	Ala	Ala	Pro	His	Pro	Phe	Leu
		35					40					45			

His	Arg	Tyr	Tyr	Gln	Arg	Gln	Leu	Ser	Ser	Thr	Tyr	Arg	Asp	Leu	Arg
	50					55					60				

Lys	Gly	Val	Tyr	Val	Pro	Tyr	Thr	Gln	Gly	Lys	Trp	Glu	Gly	Glu	Leu
65					70					75				80	

Gly	Thr	Asp	Leu	Val	Ser	Ile	Pro	His	Gly	Pro	Asn	Val	Thr	Val	Arg
			85						90					95	

Ala	Asn	Ile	Ala	Ala	Ile	Thr	Glu	Ser	Asp	Lys	Phe	Phe	Ile	Asn	Gly
		100						105					110		

Ser	Asn	Trp	Glu	Gly	Ile	Leu	Gly	Leu	Ala	Tyr	Ala	Glu	Ile	Ala	Arg
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115	120	125
Pro Asp Asp Ser Leu Glu	Pro Phe Phe Asp Ser	Leu Val Lys Gln Thr
130	135	140
His Val Pro Asn Leu Phe	Ser Leu Gln Leu Cys	Gly Ala Gly Phe Pro
145	150	155
Leu Asn Gln Ser Glu Val	Leu Ala Ser Val	Gly Gly Ser Met Ile Ile
165	170	175
Gly Gly Ile Asp His Ser	Leu Tyr Thr Gly	Ser Leu Trp Tyr Thr Pro
180	185	190
Ile Arg Arg Glu Trp Tyr	Tyr Glu Val Ile Ile	Val Arg Val Glu Ile
195	200	205
Asn Gly Gln Asp Leu Lys	Met Asp Cys Lys Glu	Tyr Asn Tyr Asp Lys
210	215	220
Ser Ile Val Asp Ser Gly	Thr Thr Asn Leu Arg	Leu Pro Lys Lys Val
225	230	235
Phe Glu Ala Ala Val Lys	Ser Ile Lys Ala Ala	Ser Ser Thr Glu Lys
245	250	255
Phe Pro Asp Gly Phe Trp	Leu Gly Glu Gln Leu	Val Cys Trp Gln Ala
260	265	270
Gly Thr Thr Pro Trp Asn	Ile Phe Pro Val Ile	Ser Leu Tyr Leu Met
275	280	285
Gly Glu Val Thr Asn Gln	Ser Phe Arg Ile Thr	Ile Leu Pro Gln Gln
290	295	300
Tyr Leu Arg Pro Val Glu	Asp Val Ala Thr Ser	Gln Asp Asp Cys Tyr
305	310	315
Lys Phe Ala Ile Ser Gln	Ser Ser Thr Gly Thr	Val Met Gly Ala Val
325	330	335
Ile Met Glu Gly Phe Tyr	Val Val Phe Asp Arg	Ala Arg Lys Arg Ile
340	345	350
Gly Phe Ala Val Ser Ala	Cys His Val His Asp	Glu Phe Arg Thr Ala
355	360	365
Ala Val Glu Gly Pro Phe	Val Thr Leu Asp Met	Glu Asp Cys Gly Tyr

Asn  
385

[illegible]